



save
meeeee

Custom hook

in React



Custom hooks are **reusable functions** that allow you to extract and reuse **stateful logic** from components.

They are a way to abstract away complex logic into a **separate function** that can be **shared** across multiple components.

Swipe for example!



Swipe →



Lets say we want to **display username and age**, how can we do that using a custom hook?

We can create a custom hook for that and call it **useUserData**

```
useUserData.js

import { useState } from 'react';

const useUserData = () => {
  const [username, setUsername] = useState('');
  const [age, setAge] = useState(0);

  return { username, age, setUsername, setAge };
};

export default useUserData;
```

initializing with
useState

We also provide the respective setter functions, **setUsername** and **setAge**, to update the state values.





```
import React from 'react';
import useUserData from '../useUserData';

const UserForm = () => {
  const { username, age, setUsername, setAge } =
    useUserData();

  const handleUsernameChange = (e) => {
    setUsername(e.target.value);
  };

  const handleAgeChange = (e) => {
    setAge(parseInt(e.target.value));
  };
}
```

The `handleUsernameChange` and `handleAgeChange` functions are responsible for updating the state based on user input





```
return (  
  <div>  
    <label>Username:</label>  
    <input type="text" value={username}  
onChange={handleUsernameChange} />  
    <br />  
    <label>Age:</label>  
    <input type="number" value={age}  
onChange={handleAgeChange} />  
    <br />  
    {username && age && (  
      <p>  
        {username} is {age} years old  
      </p>  
    )}  
  </div>  
)  
};  
  
export default UserForm;
```

Username:

Age:

Bob is 56 years old

output ↗



Swipe →



To better understand this topic check out [this video](#) on my **YouTube** channel.



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